

S18	113	pietras.in.	US-PGPUB; USPAT	OR	ON	2004/09/21 10:45
S19	9	connecting with tubulars with using with top with drive	US-PGPUB; USPAT	OR	ON	2004/09/21 10:56
S20	1	("20010042625").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/21 11:02
S21	2	wo-9811322\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 11:07
S22	1	("4625796").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/21 11:08
S23	1	("4449596").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/21 11:10
S24	469	(175/85).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/21 11:10
S25	1776	((175/85,203) or (166/380,77.51, 78.1,75.11) or (173/164) or (81/57. 33)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/21 12:39
S26	148	((175/85,203) or (166/380,77.51, 78.1,75.11) or (173/164) or (81/57. 33)).CCLS.) and top adj2 drive	US-PGPUB; USPAT	OR	ON	2004/09/21 14:17
S27	1	("6000472").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/21 14:41
S28	0	("compensat\$4").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/21 14:41
S29	466735	compensat\$4	US-PGPUB; USPAT	OR	ON	2004/09/21 14:42
S30	8101	compensat\$4 and top with drive	US-PGPUB; USPAT	OR	ON	2004/09/21 14:43
S31	127	(compensat\$4 and top with drive) and "166"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2004/09/21 14:43
S32	160	(compensat\$4 and top with drive) and "175"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2004/09/21 14:43
S33	34	(compensat\$4 and top with drive) and "81"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2004/09/21 14:43
S34	273	((compensat\$4 and top with drive) and "166"/\$.ccls.) ((compensat\$4 and top with drive) and "175"/\$. ccls.) ((compensat\$4 and top with drive) and "81"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2004/09/21 14:42

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S35	19528	compensator	US-PGPUB; USPAT	OR	ON	2004/09/21 14:43
S36	370	compensator and top with drive	US-PGPUB; USPAT	OR	ON	2004/09/21 14:43
S37	35	(compensator and top with drive) and "166"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2004/09/21 14:43
S38	11	compensator and "81"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2004/09/21 14:43
S39	375	compensator and "175"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2004/09/21 14:44
S40	28	(compensator and top with drive) and "175"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2004/09/21 14:44
S41	59	((compensator and top with drive) and "166"/\$.ccls.) (compensator and "81"/\$.ccls.) ((compensator and top with drive) and "175"/\$. ccls.)	US-PGPUB; USPAT	OR	ON	2004/09/21 14:56
S42	147	(166/85.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/21 15:05
S43	201	(166/77.51).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/21 15:05
S44	181	((166/77.51).CCLS.) not ((166/85. 1).CCLS.)	US-PGPUB; USPAT	OR	ON	2004/09/22 07:13
S45	1	("20040099420").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/21 15:28
S46	1	("20040108117").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/21 15:28
S47	91	(166/85.5).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/22 07:13
S48	328	(166/85.1,77.51).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/22 07:13
S49	79	((166/85.5).CCLS.) not ((166/85.1, 77.51).CCLS.)	US-PGPUB; USPAT	OR	ON	2004/09/22 07:16
S50	509	(166/380).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/22 07:16
S51	469	(175/85).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/22 07:17
S52	247	(175/203).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/22 07:17

S53	237	((175/203).CCLS.) not (((166/85.5).CCLS.) ((166/85.1,77.51).CCLS.))	US-PGPUB; USPAT	OR	ON	2004/09/22 07:37
S54	469	(175/85).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/22 07:37
S55	756	((166/85.1,77.51,75.5) or (175/85)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/22 07:37
S56	0	((175/85).CCLS.) not (((166/85.1,77.51,75.5) or (175/85)).CCLS.)	US-PGPUB; USPAT	OR	ON	2004/09/22 07:37
S57	565	((166/85.1,77.51,75.5) or (175/203)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/22 07:37
S58	416	((175/85).CCLS.) not (((166/85.1,77.51,75.5) or (175/203)).CCLS.)	US-PGPUB; USPAT	OR	ON	2004/09/22 07:50
S59	110	(81/57.33).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/22 07:51
S60	105	((81/57.33).CCLS.) not (((175/85).CCLS.) (((166/85.1,77.51,75.5) or (175/85)).CCLS.))	US-PGPUB; USPAT	OR	ON	2004/09/22 07:53
S61	509	(166/380).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/22 07:53
S62	458	((166/380).CCLS.) not (((166/85.1,77.51,75.5) or (175/85)).CCLS.) (((166/85.1,77.51,75.5) or (175/203)).CCLS.) ((81/57.33).CCLS.))	US-PGPUB; USPAT	OR	ON	2004/09/22 07:54
S63	1	("5850877").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/22 08:17
S64	1	("5036927").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/22 08:44
S65	1	("6705405").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/22 08:44
S66	18	boyadjieff.in. and top adj drive	US-PGPUB; USPAT	OR	ON	2004/09/22 09:11
S67	10	(boyadjieff.in. and top adj drive) and "20" and "118" and "31" and "110" and "33" and "57"	US-PGPUB; USPAT	OR	ON	2004/09/22 08:54
S68	7	((boyadjieff.in. and top adj drive) and "20" and "118" and "31" and "110" and "33" and "57") and swivel	US-PGPUB; USPAT	OR	ON	2004/09/22 08:54

S69	7	((boyadjieff.in. and top adj drive) and "20" and "118" and "31" and "110" and "33" and "57") and swivel) and piston	US-PGPUB; USPAT	OR	ON	2004/09/22 08:56
S70	0	boyadejeff	US-PGPUB; USPAT	OR	ON	2004/09/22 08:56
S71	54	boyadjieff.in.	US-PGPUB; USPAT	OR	ON	2004/09/22 09:05
S72	11	boyadjieff.in. and top adj drive with "20"	US-PGPUB; USPAT	OR	ON	2004/09/22 09:00
S73	5	boyadjieff.in.	USOCR	OR	ON	2004/09/22 09:05
S74	10	("3193116"   "4449596"   "4529045"   "4570706"   "4605077"   "4709766"   "4781359"   "4791997"   "5785132"   "5839330").PN.	USPAT	OR	ON	2004/09/22 09:09
S75	0	("topadj2drive").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/22 09:11
S76	5187	top adj2 drive	US-PGPUB; USPAT	OR	ON	2004/09/22 09:15
S77	3	((("4449596") or ("4529045") or ("4765401"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/22 09:13
S78	78	(top adj2 drive) same compensat\$3	US-PGPUB; USPAT	OR	ON	2004/09/22 09:29
S79	18252	load with compensat\$3	US-PGPUB; USPAT	OR	ON	2004/09/22 09:50
S80	115	(load with compensat\$3) and top adj2 drive	US-PGPUB; USPAT	OR	ON	2004/09/22 09:55
S81	87	((load with compensat\$3) and top adj2 drive) not ((top adj2 drive) same compensat\$3)	US-PGPUB; USPAT	OR	ON	2004/09/22 09:51
S82	900	compensat\$3 and top adj2 drive	US-PGPUB; USPAT	OR	ON	2004/09/22 09:57
S83	735	(compensat\$3 and top adj2 drive) not (((top adj2 drive) same compensat\$3) ((load with compensat\$3) and top adj2 drive))	US-PGPUB; USPAT	OR	ON	2004/09/22 09:57
S84	97	((compensat\$3 and top adj2 drive) not (((top adj2 drive) same compensat\$3) ((load with compensat\$3) and top adj2 drive))) and ("166"/\$.ccls. "175"/\$.ccls. "81"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2004/09/22 13:55
S85	1	("6000472").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/22 14:02

S86	0	("ballandsocket").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/22 14:02
S87	23863	ball with socket	US-PGPUB; USPAT	OR	ON	2004/09/22 14:02
S88	176	(ball with socket) and "166"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2004/09/22 14:26
S89	1	("4449596").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/22 14:28
S90	21717	universal with joint	US-PGPUB; USPAT	OR	ON	2004/09/22 14:29
S91	6726	spherical with joint	US-PGPUB; USPAT	OR	ON	2004/09/22 14:29
S92	186	(universal with joint) and "166"/\$. ccls.	US-PGPUB; USPAT	OR	ON	2004/09/22 14:30
S93	52	(spherical with joint) and "166"/\$. ccls.	US-PGPUB; USPAT	OR	ON	2004/09/22 14:30
S94	222	((universal with joint) and "166"/\$. ccls.) ((spherical with joint) and "166"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2004/09/22 14:30
S95	186	((((universal with joint) and "166"/\$. ccls.) ((spherical with joint) and "166"/\$.ccls.)) not ((ball with socket) and "166"/\$.ccls.))	US-PGPUB; USPAT	OR	ON	2004/09/22 14:30
S96	1	("6000472").PN.	US-PGPUB; USPAT	OR	OFF	2005/04/20 15:24
S97	57	("1454194"   "1842638"   "1844379"   "1891832"   "2488107"   "2622916"   "2661979"   "2712932"   "3037803"   "3140523"   "3193116"   "3194313"   "3351372"   "4128888"   "4421179"   "4449596"   "4529045"   "4582133"   "4605077"   "4621974"   "4652195"   "4681158"   "4753300"   "4800968"   "4813498"   "4921386"   "5049020"   "5062756"   "5390568"   "5577566"   "5755289"   "5755296"   "5791410").PN. OR ("6000472"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/20 15:38
S98	588	(166/380).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/04/20 15:38
S99	60	S98 and top adj drive	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/20 15:38
S10 0	63	(166/77.4).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/04/21 07:47

S10 1	219	(166/77.51).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/04/21 07:48
S10 2	38	S101 and top adj drive	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/21 07:56
S10 3	155	(166/85.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/04/21 07:56
S10 4	135	S103 not S101	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/21 07:56
S10 5	16	S104 and top adj drive	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/21 08:03
S10 6	233	(166/77.52,77.53,85.5).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/04/21 08:04
S10 7	195	S106 not (S101 S103)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/21 08:05
S10 8	28	S107 and top adj drive	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/21 08:11
S10 9	907	(166/378,379,380).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/04/21 08:11
S11 0	779	S109 not (S101 S103 S106)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/21 08:12
S11 1	37	S110 and top adj drive	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/21 09:00
S11 2	99	top adj drive same compensat\$6	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/21 09:01
S11 3	37	S112 and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/21 09:01
S11 4	31	S112 and "175"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/21 09:01
S11 5	52	S113 S114	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/21 09:19
S11 6	560	(175/85,52).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/04/21 09:20
S11 7	0	("Sandtopadjdrive").PN.	US-PGPUB; USPAT	OR	OFF	2005/04/21 09:20
S11 8	1476	166/378-380,77.51,77.53,85.1,77.51,85.5.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/21 09:21

S11 9	482	S116 not S118	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/21 09:21
S12 0	47	S119 and top adj drive	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/21 09:21
S12 1	41	S120 not S112	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/21 09:21
S12 2	1	("5107940").PN.	US-PGPUB; USPAT	OR	OFF	2005/04/21 10:31
S12 3	1	("6412554").PN.	US-PGPUB; USPAT	OR	OFF	2005/05/02 06:34
S12 4	360	top adj drive same suspen\$5	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 10:37
S12 5	145	S124 and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 10:37
S12 6	21	S124 and "173"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 10:37
S12 7	115	S124 and "175"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 10:37
S12 8	215	S125 S126 S127	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 12:54
S12 9	1	("4449596").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/08 12:54
S13 0	0	load with coimpensat\$3 same top adj drive	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 13:09
S13 1	24	load with compensat\$3 same top adj drive	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 13:09
S13 2	1304	((166/77.1,77.51-77.53,85.1,85.5) or (175/85,203)).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/09/12 07:57
S13 3	153	S132 and top adj drive	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 08:06
S13 4	1462	top adj drive same connect\$4	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 08:08
S13 5	260	S134 and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 08:07

S13 6	255	S134 and "175"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 08:07
S13 7	413	S135 S136	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 08:07
S13 8	512	S137 bnot S133	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 08:07
S13 9	289	S137 not S133	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 08:07
S14 0	124	S132 and S134	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 08:17
S14 1	352	pietras.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 08:17
S14 2	0	pietras-g\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 08:17
S14 3	119	pietras-b\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/12 08:26
S14 4	2	(("4625796") or ("4793422")).PN.	US-PGPUB; USPAT	OR	OFF	2005/09/12 10:21
S14 5	1	("4605077").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/12 10:55
S14 6	2	(("3099318") or ("6387986")).PN.	US-PGPUB; USPAT	OR	OFF	2005/09/12 13:14
S14 7	1	("5908701").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/12 13:15
S14 8	1	("5908071").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/13 07:55
S14 9	1	("4527425").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/13 07:57
S15 0	1	("6131659").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/13 07:58
S15 1	1	("6631327").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/13 07:58



S15 2	1	("6004639").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/13 08:44
S15 3	1	("6695054").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/13 08:44